



PTO/SB/21 (09-06)

Approved for use through 03/31/2007. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paper Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)		Application Number	09/942,360
		Filing Date	Aug 29, 2001
		First Named Inventor	Wieck, Christopher Peter
		Art Unit	2611
		Examiner Name	File, Erin M.
Total Number of Pages in This Submission	10	Attorney Docket Number	81485 7114

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement  <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance communication to (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Please see remarks below.
<b>Remarks</b> Request for Certificate of Correction (8 pages) Certificate of Correction PTO/SB/44 Return receipt postcard		

**Certificate**

FEB 13 2007

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	FITCH, EVEN, TABIN & ELANNERY		
Signature			
Printed name	Thomas F. Lebens		
Date	2/7/07	Reg. No.	38221

**of Correction**

CERTIFICATE OF TRANSMISSION/MAILING			
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.			
Signature			
Typed or printed name	Thomas F. Lebens	Date	2/7/07

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

In you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

FEB 15 2007



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Appl. No. : 09/942,360  
 Applicant(s) : Wieck, Christopher  
 Filed : 8/29/2001  
 TC/A.U. : 2611  
 Examiner : File, Erin M.  
  
 Docket No. : 81485  
 Customer No. : 22242  
 Confirmation No. : 8902

I hereby certify that this paper is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this date Feb 7, 2007.

Thomas F. Lebens  
 Registration No. 38,221  
 Attorney for Applicant(s)

**REQUEST FOR CERTIFICATE OF CORRECTION  
 PURSUANT TO 37 C.F.R. § 1.322**

Certificate of Correction Branch  
 Commissioner for Patents  
 Post Office Box 1450  
 Alexandria, VA 22313-1450

Dear Sir:

Transmitted herewith is a Certificate of Correction for United States Patent 7,061,993 B2 issued June 13, 2006. Upon reviewing the patent, the following errors were noted and should be corrected as follows:

On the FACE PAGE:

Under FOREIGN PATENT DOCUMENTS, column 2, line 1, after "11/1990" insert --H04B 01/06--.

**FEB 15 2007**

In the CLAIMS:

Claim 5, column 11, line 49, delete "couple to said" and insert --coupled to a --.

Claim 7, column 11, line 56, after "said" insert --set of--.

Claim 8, column 11, line 59, delete "instruction" and insert --instructions--.

Claim 10, column 12, line 1, delete "source;" and insert --source,--.

Claim 15, column 12, line 37, delete "recieved" and insert --received--.

Claim 19, column 12, line 59, delete "low noise amplification" and insert --Low Noise Amplifier--.

The Certificate of Correction sets forth these corrections.

#### **Remarks**

A review of these documents confirms that the errors were made in the printing of the patent. Please see Exhibit "A", page 1 of 1 from the List of References Cited by the Examiner (9/15/2005), entry 1 under Foreign Patent Documents for the correction to the face page. Please see Exhibit "B", pages 3-5, and 7 of Amendment A filed with the USPTO on December 15, 2005, for the following corrections:

Claim 5, see page 3, claim 7, line 3.

Claim 7, see page 3, claim 9, line 5.

FEB 15 2007

Claim 8, see page 4, claim 10, line 2.

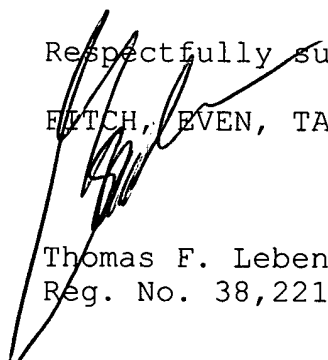
Claim 10, see page 4, claim 12, line 4.

Claim 15, see page 5, claim 19, line 3.

Claim 19, see page 7, claim 25, line 2.

Since these errors for which a Certificate of Correction is requested are a result of the United States Patent and Trademark Office mistake, no fee is due (35 U.S.C. § 254). Please charge any deficiency or overpayment in fees to Deposit Account 06-1135.

Respectfully submitted,

  
FITCH, EVEN, TABIN & FLANNERY

Thomas F. Lebens  
Reg. No. 38,221

Address all correspondence to:

**FITCH, EVEN, TABIN & FLANNERY**  
**Suite 1600 - 120 South LaSalle Street**  
**Chicago, IL 60603-3406**

Direct telephone inquiries to:

Thomas F. Lebens  
805-781-2865

**FEB 15 2007**

<b>Notice of References Cited</b>	Application/Control No. 09/942,360	Applicant(s)/Patent Under Reexamination WIECK, CHRISTOPHER PETER	
	Examiner Erin M. File	Art Unit 2634	Page 1 of 1

**U.S. PATENT DOCUMENTS**

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
	A	US-2001/0028244	10-2001	Bhat, Janardhana	324/76.35
	B	US-6,487,419	11-2002	Freed, John G.	455/522
	C	US-			
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

**FOREIGN PATENT DOCUMENTS**

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N	WO 9014718 A1	11-1990	World Intellect	RUELKE et al.	H04B 01/06
	O					
	P					
	Q					
	R					
	S					
	T					

**NON-PATENT DOCUMENTS**

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

\*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)  
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

**FEB 15 2007**

App. No. 09/942,360  
Amendment A  
Page 3

Claim 3 (Currently amended): The method according to Claim 1, wherein electronics coupled to an output of said front end require a minimum signal strength in order to process the signal received at the antenna, and wherein said predetermined threshold comprises said a minimum signal strength capable of being processed by electronics coupled to an output of said front end less a strength of amplification by an Low Noise Amplifier (LNA) of said front end.

Claim 4 (Original): The method according to Claim 1, further comprising the step of:

powering down said amplifier if the amplifier is powered up and the received signal strength is greater than said threshold.

Claims 5-6 (Canceled)

Claim 7 (Currently amended): The method according to Claim 1, wherein said minimum recognizable signal strength is a weakest signal capable of being processed by electronics coupled to a mixer output.

Claim 8 (Currently amended): The method according to Claim 1, wherein said minimum recognizable signal strength is -106 dBm.

Claim 9 (Previously presented): The method according to Claim 1, wherein:

said method is embodied in a set of computer instructions stored on a computer readable media;  
said set of computer instructions, when loaded into a

App. No. 09/942,360  
Amendment A  
Page 4

computer, cause the computer to perform the steps of said method.

Claim 10 (Previously presented): The method according to Claim 9, wherein said set of computer instruction are compiled computer instructions stored as an executable program on said computer readable media.

Claim 11 (Original): The method according to Claim 1, wherein said method is embodied in a set of computer readable instructions stored in an electronic signal.

Claim 12 (Currently amended): A front end architecture, comprising:

a Low Noise Amplifier (LNA) having an LNA input and an LNA output, said LNA input coupled to a signal source, wherein the signal source corresponds to a signal received at an antenna;

a filter having an input coupled to the LNA output and a filter output;

an radio frequency (RF) amplifier having an RF amplifier input coupled to the filter output and an RF amplifier output;

a first bypass circuit coupled between the input of the filter and the RF amplifier output and configured to bypass the filter and RF amplifier; ~~and~~

a control device configured to activate and deactivate the first bypass circuit; and

a second bypass circuit coupled between the LNA input and the LNA output;

wherein said control circuit is further configured to activate and deactivate the second bypass circuit;

wherein the second bypass circuit is activated if the

FEB 15 2007

App. No. 09/942,360  
Amendment A  
Page 5

received signal strength (RSS) of a received signal is greater than a first threshold, and the first bypass circuit is activated if the received signal strength (RSS) exceeds a second threshold higher than the first threshold.

Claim 13 (Previously presented): The front end according to Claim 12, wherein the first bypass circuit comprises a switch coupled between the input of the filter and the radio frequency (RF) amplifier output.

Claim 14 (Previously presented): The front end according to Claim 13, wherein said switch is a Single Pole Single Throw.

Claim 15 (Original): The front end according to claim 13, wherein said switch is a transistor.

Claim 16 (Previously presented): The front end according to Claim 12, further comprising:

a signal detector coupled to said signal source and configured to determine a received signal strength (RSS) of a signal from said signal source;

wherein said control device is further configured to activate and deactivate the first bypass circuit according to the RSS of the signal from said signal source.

Claims 17-18 (Canceled)

Claim 19 (Currently amended): The front end architecture according to Claim ~~12~~ 18, wherein the first bypass circuit is activated if a received signal strength (RSS) of a received

FEB 15 2007



App. No. 09/942,360  
Amendment A  
Page 7

Claim 22, further comprising:

a means for low noise amplification (LNA) coupled to a  
signal source;

a filter means coupled to an output of the LNA; and

an amplifier means coupled to an output of the filter means;

wherein said means for bypassing is coupled to an input of  
the filter means and an output of the amplifier means.

FEB 15 2007

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO. : 7,061,993 B2  
APPLICATION NO.: 09/942,360  
DATED : June 13, 2006  
INVENTOR(S) : Wieck

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the FACE PAGE:

Under FOREIGN PATENT DOCUMENTS, column 2, line 1, after "11/1990" insert —H04B 01/06--.

In the CLAIMS:

Claim 5, column 11, line 49, delete "couple to said" and insert —coupled to a --.

Claim 7, column 11, line 56, after "said" insert --set of--.

Claim 8, column 11, line 59, delete "instruction" and insert —instructions--.

Claim 10, column 12, line 1, delete "source;" and insert —source,--.

Claim 15, column 12, line 37, delete "recieved" and insert —received--.

Claim 19, column 12, line 59, delete "low noise amplification" and insert —Low Noise Amplifier--.

MAILING ADDRESS OF SENDER:  
Mr. Thomas F. Lebens, Attorney at Law  
Fitch, Even, Tabin & Flannery  
Suite 1600, 120 South LaSalle Street  
Chicago, IL 60603

PATENT NO: 7,061,993 B2



This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application for to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

FEB 13 2007